

Showcasing Student Projects

KY Tech School System

"Today an Education, Tomorrow a Career."

**Celebrating
Technical Education and Skills Training
2008-09 School Year**



Welcome to the KY Tech School System's gallery of student created projects. We are delighted to be able to promote some of the outstanding work our students have done by offering this picturesque slide show of projects.

Under the skillful guidance of KY Tech instructors, students all over the Commonwealth of Kentucky have benefited from technical education and skills training programs. We are proud of their efforts.

In the KY Tech School System, we help build essential skills for a career.

According to Association for Career and Technical Education research and information

(<http://www.acteonline.org/content.aspx?id=206>), today's CTE provides students:

- Academic subject matter taught with relevance to the real world
- Employability skills, from job-related skills to workplace ethics
- Career pathways that link secondary and postsecondary education
- Second-chance education and training
- Education for additional training and degrees, especially related to workplace training, skills upgrades and career advancement.

KY Tech - Bell Co. ATC - Head Start Playhouse



Homemade furniture for the playhouse.



Carpentry students in Kevin Lefevers classroom designed and built a playhouse by putting their skills to the test. The whole exercise was turned into a community service project when they donated the playhouse to preschool students at Bell Central.

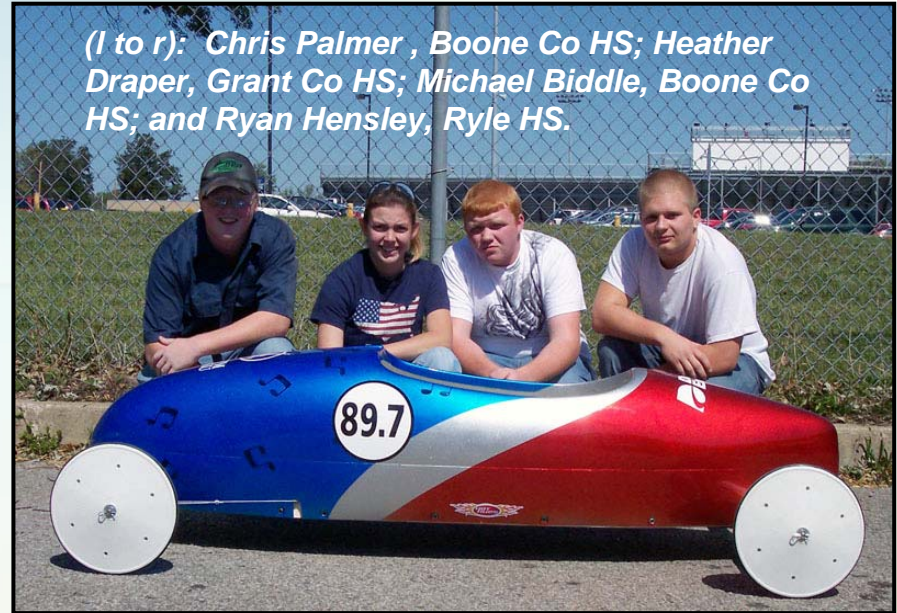
The inside of the playhouse includes a kitchen nook, fireplace, hand-carved pictures on the walls and custom built doors. Lefevers also had his students build the furniture in the kitchen.

“I’m proud of how my students rose to the challenge of building a quality playhouse. They took this on as a personal project and have a great deal of pride in what was accomplished for younger students in our district,” said Lefevers. “The intersecting roofs on the building incorporate a more advanced level of framing technique than a simple storage shed. It also required more math.”

KY Tech - Boone Co. ATC - Soap Box Derby Car



Heather and Ryan work on the suspension of the soap box derby car.



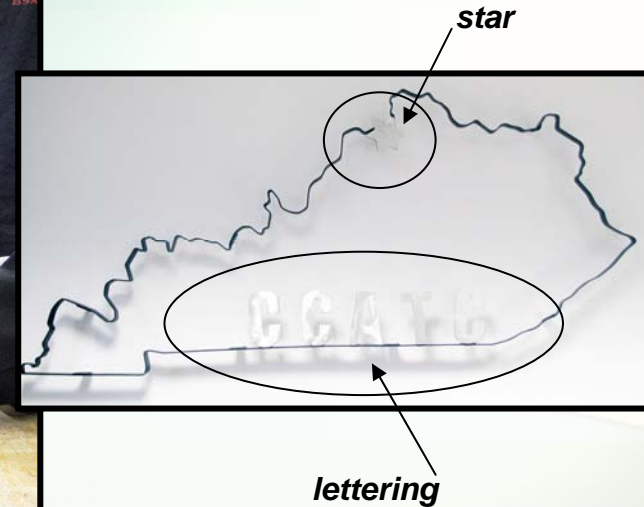
(l to r): Chris Palmer, Boone Co HS; Heather Draper, Grant Co HS; Michael Biddle, Boone Co HS; and Ryan Hensley, Ryle HS.

Four second year students in auto body repair instructor John Thomas' class assembled and painted a soap box derby car to benefit charity. The soap box derby car kit was donated by Duke Energy and 89.7 WNKU. Students were able to paint the car with materials donated by Bob Dance from DuPont's Hot Hues division

"They were excited because they had never seen a soap box derby car and quite frankly, neither had I," said Thomas. "We were all surprised when we realized there were approximately 100 pages of instruction to assemble the car. There was a lot of reading and a substantial amount of geometry involved with building the suspension of the car, but my students rose to the challenge – and they felt good about using their hands-on skills for charity. It was educational, fun, and a way to give back through community service."

The 2008 HealthPoint Family Care Hope Box Derby was held on September 20 at Northern Kentucky University. Proceeds from the race benefited the homeless of northern Kentucky.

KY Tech - Carroll Co. ATC - Welding



Carroll Co. ATC welding students rose to the challenge when administrative secretary Kimberly Dawson wanted something to adorn a wall in the main office.

Acting on a vision, a piece of welding art was created through the collaborative efforts of Dawson, carpentry instructor Tim Mason, welding instructor David Coghill, and their students.

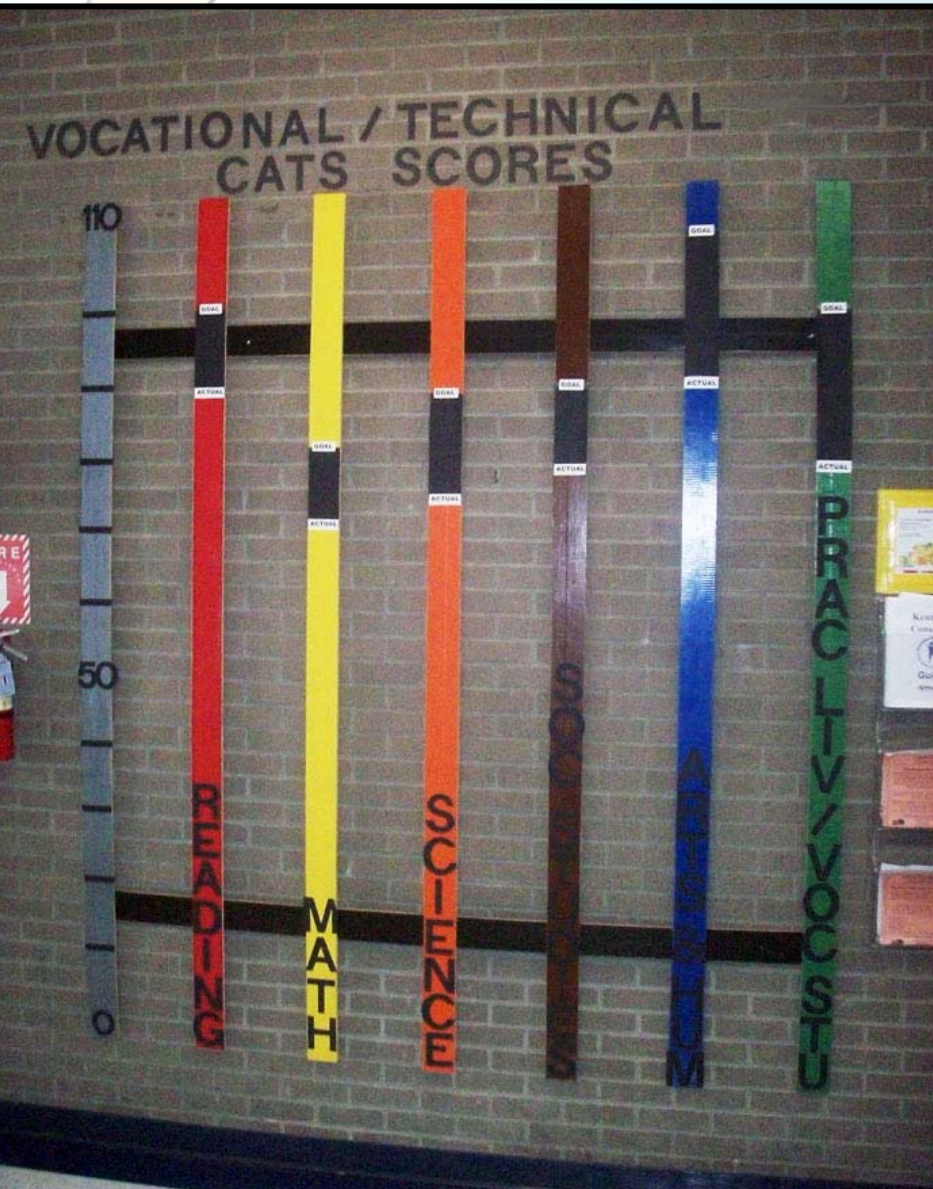
To get started, Dawson downloaded a Kentucky map and made a transparency so carpentry students could use a projector to cut out a template. The students then cut a piece of wood to match the template. Coghill and his students bent steel around the wooden template to create an outline of the state. The fabricated state, star to pinpoint the school's location, and "CCATC" letters were made using steel and aluminum.

Dakota Fredrick, Owen Co. HS and Justin Shields, Gallatin Co. HS were two of the students who worked on the project.

According to Dawson, "it is a nice focal point and it's the first thing people see when they walk into the main office."

KY Tech - Monroe Co. ATC

Carpentry, Wood Technology, and Office Technology



According to Principal Lee Ann Wall, "the purpose of the CATS board is to provide a visual for staff and students to aid in the understanding of where we are and where we need to go."

Through a collaborative "think tank" discussion among faculty and staff, the CATS Visual Board was born. Carpentry students under the direction of Brent Steenbergen cut the boards and Jeff Short's wood technology students finished the boards. Mr. Jamie Thompson, the school custodian, wrapped each board with different colors of duct tape to provide a technical look. Office technology students in both Mitzi Holland and Ronnie Stewart's classes cut out letters for each program area. The culminating activity was to make sure all parts of the project were showcased correctly. School secretary Teresa Cloyd served as the project coordinator.

KY Tech - Pulaski Co. ATC

Gazebo



Larry Huckaby's carpentry students teamed up with 4th and 5th grade gifted and talented students to design and construct a Gazebo that will be used as an outdoor classroom. The project was funded through the Pulaski Elementary PTA.

Huckaby's students worked with students by teaching them how math is applied in the real world. The result was a Gazebo that has been set up behind Pulaski Elementary.

"I think my students saw the leadership side of the project and how challenging it is to keep students on task," said Huckaby. "Of course, I supervised and my students actually got to be in charge. They enjoyed working with the younger students and took pride in being role models. The younger students thought it was real cool to work with high school students."